3-001 SANTA CRUZ MID-COUNTY

Basin Boundaries

Summary

The Santa Cruz Mid-County groundwater basin is located near the towns of Aptos, Capitola, and Soquel, extending inland from the Pacific Ocean in Santa Cruz County. The northeastern boundary generally follows the northwest trending Zayante Fault t. The eastern boundary is marked by the the Central Water District and Pajaro Valley Water Management Agency. The southern boundary follows the Pacific Ocean up to the Santa Cruz Small Craft Harbor. The western boundary follows the watershed boundary between Carbonera Creek and Branciforte Creek up through Blackburn Gulch. The basin boundary is defined by nine (9) segments detailed in the descriptions below.

Segment Descriptions

Segment Label	Segment Type	Description	Ref
1-2	I Water Agency	Begins from point (1) and follows the southern boundary of Scotts Valley Water District to point ().	{a}
2-3	I Groundwater Divide	Continues from point (2) and follows the ridge of a granitic high that separates the eastward-dipping stacked aquifers of the Purisima Formation from the westward-dipping units of the proposed Santa Margarita Basin to point (3).	{b}
3-4	I Stream	Continues from point (3) and follows Branciforte Creek to point (4).	{c}
4-5	I Non-Alluvial	Continues from point (4) and follows the contact of Lompico Sandstone with Purisima Formation to point (5).	{b}
5-6	I Fault	Continues from point (5) and follows the Zayante Fault to point (6).	{d}
6-7	I Water Agency	Continues from (6) and follows the Central Water District boundary to point (7).	{a}
7-8	I Water Agency	Continues from point (7) and follows the Pajaro Valley Water Management Agency boundary to point (8).	{a}
8-9	E Ocean	Continues from point (8) north and follows the Pacific Ocean coast line to point (9).	{e}
9-1	I Watershed	Continues from point (9) and follows the watershed boundary of Carbonera Creek with Branciforte Creek and ends at point (1).	{b}

Significant Coordinates

Point	**Latitude**	**Longitude**
1	37.035708425	-122.018846322
2	37.03969016	-122.011331692
3	37.046943147	-121.98245618
4	37.056397231	-121.979588457
5	37.064938214	-121.929078065
6	37.008159461	-121.845927447
7	37.010366944	-121.824192619
8	36.931439429	-121.861989413
9	36.96160592	-122.002625387

Map

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https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=3-001

References

Ref	Citation	Pub Date	Global ID
{a}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/	2016	48
{b}	BBMRS	varies	45
{c}	United States Geological Survey (USGS), National Hydrography Dataset, Flowline Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://nhd.usgs.gov/data.html	2/1/2016	1
{d}	California Geological Survey (CGS), Regional Geologic Map No. 5A, San Francisco-San Jose Quadrangle, 1:250,000, D.L. Wagner, E.J. Bortugno, and R.D. McJunkin.URL: http://www.quake.ca.gov/gmaps/RGM/sfsj/sfsj.html	1991	8
{e}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1).URL: http://frap.fire.ca.gov/data/frapgisdata-subset	2/14/15	2

Footnotes

- I: Internal
- E: External